

## Allen County

8/11/2020

### Background Statistics<sup>1</sup>

Number of farms: 505

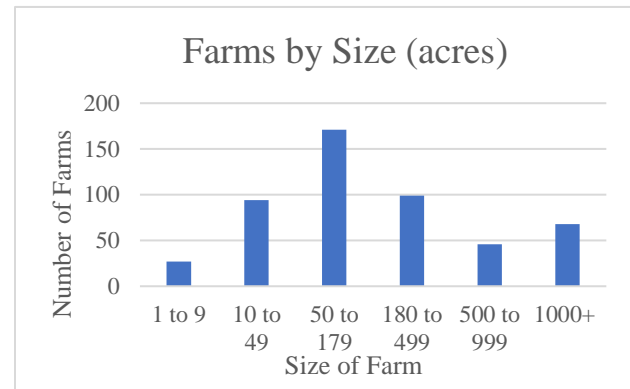
Average size: 475 acres

Land in farms: 239,906 acres

Average value of products sold per farm: \$94,921

Average net cash farm income per farm: \$24,764

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Allen County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 26 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Allen County economy.

### Results

These 26 sectors have a total direct output of approximately **\$295.8 million** and account for **1,099 jobs** in Allen County. Running the model for all 26 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Allen County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,099	13%	\$56,300,000	10%	\$295,800,000
Indirect Effect	146	2%	\$11,800,000	2%	\$29,400,000
Induced Effect	132	2%	\$10,000,000	2%	\$18,400,000
<b>Total Effect</b>	<b>1,377</b>	<b>17%</b>	<b>\$78,100,000</b>	<b>13%</b>	<b>\$343,600,000</b>

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **1,377 jobs**, or **17%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$343.6 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 26 agriculture, food, and food processing sectors is approximately **\$78.1 million**, or **13%** of the GRP.

## Top Ten Sectors by Employment

In the top ten sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **458 employees**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Allen County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	458
Confectionery manufacturing from purchased chocolate	372
Other animal food manufacturing	50
All other crop farming	47
Grain farming	42
Other real estate	31
Oilseed farming	27
Dairy cattle and milk production	20
Farm machinery and equipment manufacturing	20
Veterinary services	14

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The confectionery manufacturing from purchased chocolate sector is the top contributor, with approximately **\$129.5 million** to the Allen County economy. The table below shows the top ten sectors by output, which is the total amount of direct, indirect, and induced revenue generated by a sector.

Sector	Total Output
Confectionery manufacturing from purchased chocolate	\$129,500,000
Other animal food manufacturing	\$54,500,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$41,800,000
Oilseed farming	\$19,600,000
Grain farming	\$9,800,000
Dairy cattle and milk production	\$8,700,000
Soybean and other oilseed processing	\$8,400,000
Farm machinery and equipment manufacturing	\$8,000,000
Animal, except poultry, slaughtering	\$7,300,000
Other real estate	\$4,800,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Allen County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Confectionery manufacturing from purchased chocolate	\$129,499,439.37	371.96
Other animal food manufacturing	\$54,502,400.81	50.10
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$41,817,037.05	457.51
Oilseed farming	\$19,592,935.67	26.74
Grain farming	\$9,809,795.62	41.80
Dairy cattle and milk production	\$8,703,917.94	19.73
Soybean and other oilseed processing	\$8,423,996.54	1.67
Farm machinery and equipment manufacturing	\$8,044,970.15	19.64
Animal, except poultry, slaughtering	\$7,258,503.72	10.01
Support activities for agriculture and forestry	\$1,804,302.88	7.70
All other crop farming	\$1,258,104.98	46.63
Veterinary services	\$1,251,970.54	14.14
Animal production, except cattle and poultry and eggs	\$875,300.13	7.95
Bread and bakery product, except frozen, manufacturing	\$602,940.42	4.82
Landscape and horticultural services	\$426,199.63	7.61
Frozen cakes and other pastries manufacturing	\$404,781.72	4.83
Vegetable and melon farming	\$334,867.61	2.22
Other snack food manufacturing	\$314,158.15	0.61
Poultry and egg production	\$260,281.42	0.36
Roasted nuts and peanut butter manufacturing	\$245,497.56	0.60
Breweries	\$165,231.98	0.48
Commercial logging	\$60,794.72	0.61
Forestry, forest products, and timber tract production	\$45,813.20	0.58
Greenhouse, nursery, and floriculture production	\$37,648.52	0.24
Tree nut farming	\$21,249.19	0.37
Fruit farming	\$3,784.27	0.03

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist  
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